

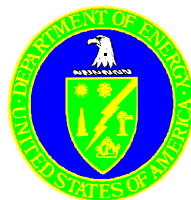
# **Low-Level and Mixed Low-Level Waste Data**

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## **Presentation at Central Internet Database Stakeholder Forum**

Columbia, Maryland

June 3, 1999



**Douglas Tonkay**

Office of Planning and Analysis  
Office of Environmental Management  
**U.S. Department of Energy**

# Low-Level and Mixed Low-Level Waste:

## What is Low-Level or Mixed Low-Level Waste?

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- ! **Low-Level Waste (LLW)** is waste that contains radioactivity and is not classified as high-level waste, transuranic waste, spent nuclear fuel, or 11e(2) byproduct material. Test specimens of fissionable material irradiated for research and development only, and not for the production of power or plutonium, may be classified as low-level waste provided the concentration of transuranic is less than 100nCi/gm (DOE Order 5820.2A, September 26, 1988).\*
- ! **Mixed Low-Level Waste (MLLW)** is waste that satisfies the definition of low-level waste and contains waste with both radioactive and hazardous components as defined by the Atomic Energy Act and the Resource Conservation and Recovery Act, respectively (DOE Order 5820.2A, September 26, 1988).\*
- ! Waste generated from the Department's mission activities

\*DOE Order 435.1 will replace DOE Order 5820.2A

# Low-Level and Mixed-Low Level Waste: What Level of Data is Desired?

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## Levels of Data Details Potentially Available at DOE-HQ

1 **Department Level** - *composed of one or more programs*

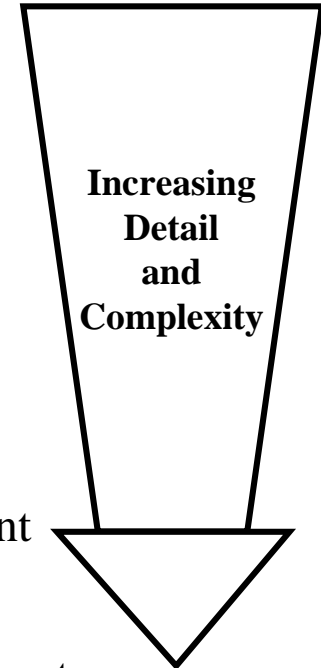
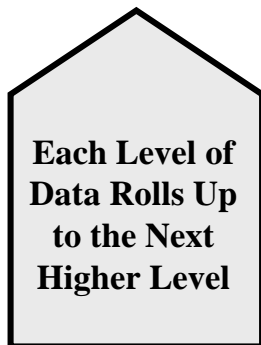
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4 **Program Levels** - (EM, DP, SC, NE) - *composed of one or more operations/field offices*

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10 **Operations/Field Office Levels** - *composed of one or more sites*

↑  
39 **Site Levels** - *for EM, composed of one or more PBSs*

↑  
101 **Project Baseline Summary Levels** (EM requirement only) - *composed of one or more streams*

↑  
1221 **Disposition Map Stream Levels** (EM requirement only) - *composed of one or more streams with common disposition paths*



Place holder for disposition map

# **Low-Level and Mixed-Low Level Waste: What is the Source of Data?**

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- ! EM's Corporate Data Base is the Source of All of EM's Data, Which is a Large Majority of These Waste Streams**
  - Data is collected for the EM corporate data base by a tool called Analysis and Visualization System (AVS)
  - Data updates consistent with EM's Integrated Planning, Accountability, and Budgeting System (IPABS) process
  
- ! Other DOE Programs Are Responsible for the Balance of the Waste Data for “Re-engineered” Sites**

# **Low-Level and Mixed-Low Level Waste: Data In AVS That Could Supply The Central Database**

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## **! Being Collected in Spring 1999**

- Operations office, site, waste type, and disposition map name
- DOE managing program
- Source and destination of stream (e.g., generation to treatment)
- Waste volumes added (e.g., generated), disposition (e.g., treated, disposed), and in inventory by year

## **! Disposition Maps Consistent With Spring 1999 Data**

- Images of summary site disposition maps
- Images of waste type disposition maps

## **! Planned To Be Collected in Fall 1999**

- Key radionuclides and activity (total curies) and/or concentration
- Chemical contaminants